Inventory of Journal Articles Applying ARMS Data

This inventory of ARMS-based research published in professional journals demonstrates the range of uses for ARMS data and the advanced research methods that can be applied. While most of the citations are for ERS researchers, over seventeen universities are accessing ARMS data for their research. (December 2005)

** indicates multi-variate or optimization methods applied

PHASE II data

- **Huang, Wen-Yuan. "Using Insurance to Enhance Nitrogen Fertilizer Application Timing to Reduce Nitrogen Losses." *Journal of Agricultural and Applied Economics*, 34,1(April 2002):131-148.
- **Huang, Wen-Yuan. Tracy Irwin Hewitt, and David Shank. *Journal of Agricultural and Resource Economics* 23(2):445-467, 1998.
- **Key, Nigel. "How Much Do Farmers Value Their Independence?" *Agricultural Economics*. 33(2005): 117-126.
- **Key, Nigel and William McBride "Production Contracts and Productivity in the U.S. Hog Sector." *American Journal of Agricultural Economics*. February 2003, vol. 85, no. 1, pp. 121-133
- Klotz-Ingram, C., S. Jans, J. Fernandez-Cornejo, and W. McBride. "Farm-Level Production Effects Related to the Adoption of Genetically Modified Cotton for Pest Management." *AgBioForum*.2(2)(Spring 1999): 73-84.
- Lin, W., J. Falk-Zepeda, and J. Fernandez-Cornejo. "Economic Impacts of Adopting GM Crops in the United States." *Farm Policy Journal.* 1(2)(2004)50-64.
- **Lubowski, Ruben N., Andrew J. Plantinga and Robert N. Stavins. "Land-use change and carbon sinks: Econometric estimation of the carbon sequestration supply function." *Journal of Environmental Economics and Management*. Forthcoming. Available online 5 December 2005.
- **Payne, T., Fernandez Cornejo, J., Daberkow, S. "Factors Affecting the Likelihood of Corn Rootworm Bt Seed Adoption", *AgBioForum*, Vol 6(1&2)(2003):79-86
- **Ribaudo, M., and J. Agapopff,. (2005) Importance of Cost Offsets for Dairy Farms Meeting a Nutrient Application Standard. *Agricultural and Resource Economics Review* 34(2):173-184.
- **Ribaudo, M.O., A. Cattaneo, and J. Agapoff (2004) Cost of Meeting Manure Nutrient Application Standards in Hog Production: The Roles of EQIP and Fertilizer Offsets. *Review of Agricultural Economics*, 26(4):430-444.
- **Ribaudo, M., N. Gollehon, and J. Agapoff. (2003) Land Application of Manure by Animal Feeding Operations: Is More Land Needed? *Journal of Soil and Water Conservation*, 58(1):30-38.

PHASE III data

- **Blank, Steven C., Kenneth W. Erickson, Charles B. Moss, and Richard Nehring, "Agricultural Profits and Farm Household Wealth," *Amer. J. Agr. Econ.* 86 (Number 56, 2004): 1299-1307.
- **El-Osta H., A. Mishra, and M. Ahearn. "Labor Supply by Farm Operators Under 'Decoupled' Farm Program Payments." *Rev. Econ. Households.* Vol. 2, No. 3(2004):367-385.
- **El-Osta, H. and A. Mishra. "Dimensions of Wealth Dispersion among Farm Households: An Assessment of the Impact of Farm Subsidies" *J. Agr. Applied Econ.* 37, 1(April 2005):187-208.
- **El-Osta, H. and M. Morehart. "The Dynamics of Wealth Concentration among Farm Operator Households." *Agr. Res. Econ. Rev.* Vol. 31, No.1(April 2002):84-96.
- **Goodwin, Barry K., Ashok K. Mishra, and F. Ortal Magne. "What's Wrong With Our Models of Agricultural Land Values." *American Journal of Agricultural Economics*, 85 August, 2003: 744-752.
- **Goodwin, Barry and Ashok Mishra. "Farming Efficiency and the Determinants of Multiple Job Holdings by Farm Operators." *American Journal of Agricultural Economics* 86(3) Aug. (2004): 722-29.
- **Goodwin, Barry K. and Ashok K. Mishra. "An Analysis of Risk Premia in U.S. Farm-Level Interest Rates." *Agricultural Finance Review*, 60, January 2001: 1-17.
- Hoppe, R.A., D. Niekamp, D. Banker, and K, Nakagawa, Differences in Canadian and U.S. Farm Structure: What the Canadian Farm Typology Shows: Current Agriculture, Food & Resource Issues, 5:83 94 (2004).
- **Katchova, A.L. and P.J. Barry. "Credit Risk Models and Agricultural Lending." *American Journal of Agricultural Economics* 87(2005):194-205.
- **Katchova, A.L. "The Farm Diversification Discount." *American Journal of Agricultural Economics* 87(2005):984-994.
- **Katchova, A.L. and M.J. Miranda. "Two-Step Econometric Estimation of Farm Characteristics Affecting Marketing Contracts Decisions." *American Journal of Agricultural Economics* 86(2004):88-102.
- **Kim, C.S., C. Hallahan, W. Lindamood, G. Schaible, J. Payne. A Note of the Reliability of Estimates from ARMS data, *Agricultural and Resource Economics Review*, Oct 2004.
- Key, Nigel and Michael Roberts. "Financial Market Imperfections and Structural Change in Agriculture," in Ami R. Bellows (ed.) *Focus on Agricultural Economics*. Nova Science Publishers, Inc. New York (2005).
- **Key, Nigel. "Agricultural Contracting and the Scale of Production," *Agricultural and Resource Economics Review*, Vol. 33, No. 2 (October 2004), pp. 255-271

- **Kim, C.S., Hallahan, Lindamood, Chaible, and Payne, "A note on the Reliability Tests of Estimates from ARMS Data" by. Agricultural and Resource Economics Review 33 (2004):293-297.
- **Lin, W., J. Falk-Zepeda, and J. Fernandez-Cornejo. "Economic Impacts of Adopting GM Crops in the United States." *Farm Policy Journal*. 1(2)(2004)50-64.
- MacDonald, J., M. Ahearn, and D. Banker, Organizational Economics in Agriculture Policy Analysis, *American Journal of Agricultural Economics* 86 (3): 744-49 (2004).
- McBride, W. D. and J.D Johnson. "Defining and Characterizing Approaches to Farm Management." *Journal of Agricultural and Applied Economics*. 38,1(April 2006):forthcoming.
- **McBride, W.D., S. Short, and H. El-Osta. "The Adoption and Impact of Bovine Somatotropin on U.S. Dairy Farms." *Review of Agricultural Economics*. Vol. 26, No. 4(Winter 2004):472-488.
- McBride, W.D. and S.G. Daberkow. "Information and the Adoption of Precision Farming Technologies." *Journal of Agribusiness*. Vol. 21, No. 1 (Spring 2003):21-38.
- **McBride, W. D. and H. El-Osta. "Impacts of the Adoption of Genetically Engineered Crops on Farm Financial Performance." *Journal of Agricultural and Applied Economics*. 34,1(April 2002):175-191.
- McBride, W.D. and N. Brooks. "Survey Evidence on Producer Use and Costs of Genetically Modified Seed". *Agribusiness*. Vo1. 16, No. 1. 6-20 (2000).
- **Mishra, Ashok and Janet Perry, "Forward Contracting of Inputs: A Farm-Level Analysis," *Journal of Agribusiness*, Vol. 17, No. 2 (Fall 1999), pp. 77-91.
- **Mishra, Ashok K., and T. Park. "An Empirical Analysis of Internet Use by U.S. Farmers." *Agricultural and Resource Economics Review* Vol. 34(2), Oct. 2005: 253-264.
- **Mishra, Ashok K. and Barry K. Goodwin. "Revenue Insurance Purchase Decisions of Farmers." *Applied Economics*, in press 2005.
- **Mishra, Ashok K., and H.S. El-Osta. "Decomposition of Variability in Farm Household Assets and Debt." *Journal of Agribusiness*, Vol. 23 #2 (Fall 2005): 163-182.
- **Mishra, Ashok K., H.S El-Osta, and C.L.Sandretto. "Factors Affecting Farm Enterprise Diversification." *Agricultural Finance Review*, Vol. 64(2), Fall 2004: 151-166.
- **Mishra, A., R. Wesley Nimon, and H. El-Osta. "Is Moral Hazard Good for the Environment? Revenue Insurance and Chemical Input Use." *Journal of Environmental Management*, Vol. 74(1), 2005: 11-20.
- **Mishra, Ashok, F. Tegegne, and C. Sandretto. "The Impact of Participation in Cooperatives on the Success of Small Farms." *Journal of Agribusiness*, V. 22 #1 (2004) 31-48.

- **Mishra, Ashok, C. Moss, and K. Erickson. "Valuing Farmland With Multiple Quasi-Fixed Inputs." *Applied Economics* 36 Vol. 15 (2004): 1669-1676.
- **Mishra, Ashok K. and Barry K. Goodwin. "Adoption of Crop Versus Revenue Insurance: A Farm-Level Analysis." *Agricultural Finance Review*, Vol. 63(2) Fall 2003: 143-156.
- **Mishra, Ashok K. and Carmen L. Sandretto "Stability of Farm Income and the Role of Nonfarm Income in U.S. Agriculture." *Review of Agricultural Economics*, 24 (1) 2002: 208-221.
- **Mishra, Ashok K., and H.S. El-Osta. "Managing Risk in Agriculture Through Hedging and Crop Insurance: What Does a National Survey Reveal?" *Agricultural Finance Review*, Vol. 62, No. 2 (Fall 2002), pp. 135-148.
- **Mishra, Ashok K. and M.J. Morehart. "Factors Affecting Returns to Labor and Management on U.S. Dairy Farms." *Agricultural Finance Review*, 61, No. 2 (Fall 2001): 123-140.
- **Mishra, Ashok K. and H.S El-Osta. "A Temporal Comparison of Source of Variability of Farm Household Income," *Agricultural Finance Review* 61, No. 2 (Fall 2001):181-198.
- **Mishra, Ashok K. and M.J. Morehart. "Off-Farm Investment of Farm Households: A Logit Analysis." *Agricultural Finance Review*, 61, No. 1 (Spring 2001): 87-101.
- **Mishra, Ashok K., H.S. El-Osta, and C.J. Steele. "Factors Affecting the Profitability of Limited Resource and Other Small Farms." *Agricultural Finance Review*, 59, 1999: 77-91
- **Mishra, Ashok K. and Janet E. Perry. "Forward Contracting of Inputs: A Farm Level Analysis," *Journal of Agribusiness*, Vol. 17(2), Fall 1999: 77-92.
- **Mishra, Ashok K., H.S. El-Osta, and J.D. Johnson. "Factors Contributing to Earnings Success of Cash Grain Farms," *Journal of Agricultural and Applied Economics*, 31(Dec), 1999: 623-637.
- **Morrison-Paul, Catherine, Richard Nehring, and David Banker. "Productivity, Economies, and Efficiency in U.S. Agriculture: A Look at Contracts." *American Journal of Agricultural Economics*. 86 (2004): 1308-1314.
- **Morrison-Paul, C., R. Nehring, and D. Banker, "Returns to Scale, Efficiency, and Technical Change in U.S. Agriculture: Are Traditional Farms History?" *Journal of Productivity Analysis*. 22 (2004): 185-205.
- **Morrison-Paul, C. and R. Nehring, "Product Diversification, Production Systems, and Economic Performance in U.S. Agriculture." *Journal of Econometrics*. 126 (2005): 525-548.
- **Negri, D., N. Gollehon, and M. Aillery. "The Effects of Climatic Variability on US Irrigation Adoption, *Climatic Change*." 69(2-3):299-323, (2005).

- **Nehring, R., J. Fernandez-Cornejo, and D. Banker, "Off-Farm Labor and the Structure of U.S. Agriculture: The Case of Corn/Soybean Farms. *Applied Economics*.37(2005): 633-649.
- **Nehring, Richard F., Charles Barnard, David Banker, and Vince Breneman. "Urban Influence on Costs of Production in the Corn Belt: A Frontier Approach." *American Journal of Agricultural Economics*. Forthcoming
- **Roberts, Michael, and Nigel Key "Who Benefits from Government Farm Payments? Relationships between Payments Received and Farm Household Well-being." *Choices*, August 2003
- **Somwaru, Agapi, and Richard F. Nehring,"A Graph Efficiency Multiproduct Model of Corn/Livestock Farming: Accounting for Nitrate Pollution." *The Annals of Operation Research*. J.C. Baltzer AG, Science Publishers, 68(1996):379-408.
- **Tauer, L.W., and Ashok K. Mishra. "Can the Small Dairy Farm Remain Competitive in U.S. Agriculture." Forthcoming *Food Policy* 2006.

PHASE II and III data

Daberkow, S.G. and W.D. McBride, "Socio-economic Profiles of Early Adopters of Precision Agricultural Technologies," *Journal of Agribusiness*. Vol. 16, No. 2 (Fall 1998):151-168.

Daberkow, S.G. and W.D. McBride. "Farm and Operator Characteristics Affecting the Awareness and Adoption of Precision Agriculture Technologies in the U.S." *Precision Agriculture*. Vol.4(2003):163-177.

- **El-Osta, H. and M. Morehart. ATechnology Adoption and Its Impact on Production Performance of Dairy Operations. @ Rev. Agr. Econ. Vol. 22, No. 2(2000):477-498.
- **El-Osta, H. and M. Morehart. ATechnology Adoption Decisions in Dairy Production and the Role of Herd Expansion. @ *Agr. Res. Econ. Rev.* Vol. 28(April 1999):84-95.
- **Fernandez-Cornejo, J., C. Alexander, and R. Goodhue. "Dynamic Diffusion with Disadoption: The Case of Crop Biotechnology in the U.S.A." *Agricultural and Resource Economics Review.* 31(1)(2002):112-126.
- **Fernandez-Cornejo, J., S. Daberkow, and W. McBride. "Decomposing the Size Effect on the Adoption of Innovations: Agrobiotechnology and Precision Agriculture." *AgBioForum.* 4(2)(2001): 124-236.
- **Fernandez-Cornejo, J., C. Klotz-Ingram, and S. Jans. "Farm-Level Effects of Adopting Herbicide-Tolerant Soybeans in the U.S.A." *Journal of Agricultural and Applied Economics*. 34(1)(2002):149-163.
- **Fernandez-Cornejo, J., C. Hendricks, and A. Mishra "Technology Adoption and Offfarm Household Income: The Case of Herbicide-Tolerant Soybeans." *Journal of Agricultural and Applied Economics*, 37(3)(December 2005): 549-563.

- **Huang, W., R. Magleby, and A. Somwaru. "The Economic Impacts of alternative Manure Management Regulations on hog farms in the Heartland." *Journal of Sustainable Agriculture*. Vol.22 22(1) 2003.
- **Huang, W. and R. Magleby. "The Economic Impacts of Restricting Agricultural Uses of Manure on Hog Farms in the Southern Seaboard." *Journal of Sustainable Agriculture*. Vol. 23(1) 2003.
- **Huang, W., and R Magleby. "Economic Impacts of EPA's Manure Application Regulations on Dairy Farms with Lagoon Liquid Systems in the Southwest Region." *Journal of Agricultural and Applied Economics*.Vol. 37(1) 2005.